

# SEQUENCE LISTING

<110> Pankewycz, Oleh

<120> Novel Human Gene with Immunoregulatory and Anti-Proliferative Properties

<130> 11520.0352

<150> US 60/452,780

<151> 2003-03-07

<160> 16

<210> 1

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<400> 1

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catctgtctg catgtggatc aatttctttt agaaaataat ttattgtatg 100
atttattttg gagttatatt ctgattacag tgctccctct cccaaatagc 150
attgattttt tccccctctt aaaatgtata atctgggtctc aggttggtatt 200
ctttggtaca tttctctctt ctggatgccca tgcagcttaa 240
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<210> 2

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<400> 2

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 1             5             10
Cys Val Cys Val Phe Ile Cys Leu His Val Asp Gln
      15             20
Phe Leu Leu Glu Asn Asn Leu Leu Tyr Asp Leu Phe
25             30             35
Trp Ser Tyr Ile Leu Ile Thr Val Leu Pro Leu Pro
      40             45
Asn Ser Ile Asp Phe Phe Pro Pro Leu Lys Cys Ile
      50             55             60
Ile Trp Ser Gln Val Gly Phe Phe Gly Thr Phe Leu
      65             70
Ser Ser Gly Cys His Ala Ala
      75
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<210> 3

<211> 959

<212> DNA

<213> artificial sequence

<220>

<223> the PRSET DNA vector containing the coding sequence for the Plh.

The coding region of the Plh is from 170-409

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<400> 3
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atatgcgggg ttctcatcat catcatcatc atggtatggc tagcatgact 100
ggtggacagc aaatgggtcg ggatctgtac gacgatgacg ataaggatcg 150
atggggatcc gagctcgaga tgactagaat cgacacgtgt gcgtgcgcac 200
gcgtgtgcgt gtgtgtgttc atctgtctgc atgtggatca atttctttta 250
gaaaataaatt tattgtatga tttatttttg agttatatc tgattacagt 300
gctccctctc ccaaatagca ttgatttttt ccccccctca aaatgtataa 350
tctggtctca ggttggattc tttggtacat ttctctcttc tggatgccat 400
gcagcttaag gaagcttgat ccggctgcta acaaagcccg aaaggaagct 450
gagttggctg ctgccaccgc tgagcaataa ctagcataac cccttggggc 500
ctctaaacgg gtcttgaggg gttttttgct gaaaggagga actatatccg 550
gatctggcgt aatagcgaag aggccgcac cgatcgccct tcccaacagt 600
tgcgcagcct gaatggcgaa tgggacgcgc cctgtagcgg cgcattaagc 650
gcggcgggtg tgggtggttac gcgcagcgtg accgctacac ttgccagcgc 700
cctagcgccc gctcctttcg ctttcttccc ttcttttctc gccacgttcg 750
ccggcctttc ccgtcaagct ctaaactcgg ggctcccttt agggttccga 800
tttagtgctt tacggcacct cgaccccaaa aaacttgatt aggggtgatg 850
ttcacgtagt gggccatcgc cctgatagac gggttttctc ctttgacgt 900
tggagtcac gttctttaat agtggactct tgttccaaac tgaacaaca 950
ctcaaccct
959

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<210> 4
<211> 36
<212> PRT
<213> mus musculus

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<220>

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<400> 4
Met Cys Ala Cys Val Cys Pro Ser Ala Cys Ala Ser
          5              10
Val Ser Leu Lys Asn Asn Leu Leu Cys Asp Phe Leu
          15              20
Trp Ser Phe Cys Ser Gly Tyr Ser Ala Ala Pro Gln
25              30              35

```

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<210> 5
<211> 600
<212> DNA
<213> homo sapiens

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<220>

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<400> 5
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attcattgtg cttttacttg cattagattt ctgtgctttc ttcttttccc 100
tctttgaagc aattaaaatc ttccttgata actgctgttt ctttctactc 150
ttgtttcttg caatttagtg ggttccttct ctagtggctt taaatctcat 200
tccactgggt gcaagatggg gcctagcctt cttttcacat gtctaattct 250
ttcctttctc atggtgccct ccatggaagt cacagtcaac actgaataaa 300
tgactagaat gacacgtgtg cgtgcgcacg cgtgtgcgtg tgtgtgttca 350
tctgtctgca tgtccatcaa tttcttttag aaaataattt attgtatgat 400
ttattttgga gttatattct gattacagtg ctccctctcc caaatagcat 450
tgattttttc cccctctaa aatgtataat ctggtctcag gttggattct 500
ttggtacatt tctctcttct ggatgccatg cagcttaatt aaaaccttgc 550
ttaaaaaaaa aaagtgaata ttgtgtactc ttgtctggaa taccgcctca 600

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<210> 6  
 <211> 33  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> PCR primer  
  
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 <210> 7  
 <211> 40  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> PCR primer  
  
 <400> 7  
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 <210> 8  
 <211> 20  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> PCR forward primer  
  
 <400> 8  
 tagaatcgac acgtgtgcgt 20  
  
 <210> 9  
 <211> 20  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> PCR reverse primer  
  
 <400> 9  
 tggcatccag aagagagaaa 20  
  
 <210> 10  
 <211> 17  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> PCR forward primer  
  
 <400> 10  
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 <210> 11  
 <211> 17  
 <212> DNA  
 <213> artificial sequence

<220>  
 <223> PCR reverse primer  
  
 <400> 11  
 ccaatggtga tgacctg 17  
  
 <210> 12  
 <211> 33  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> PCR primer  
  
 <400> 12  
 ggactcgaga tgactagaat cgacacgtgt gcg 33  
  
 <210> 13  
 <211> 40  
 <212> DNA  
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 <220>  
 <223> PCR primer  
  
 <400> 13  
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 <210> 14  
 <211> 16  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> 5' primer for QPCR  
  
 <400> 14  
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 <210> 15  
 <211> 25  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> 3' primer for QPCR  
  
 <400> 15  
 tgcattgtgga tcaatttctt ttaga 25  
  
 <210> 16  
 <211> 27  
 <212> DNA  
 <213> artificial sequence  
  
 <220>  
 <223> FAM labeled reporter primer  
  
 <400> 16

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27

BFLODOCS 904648v1